

## WEST Search History

DATE: Monday, May 24, 2004

<b>Hide?</b>	<b><u>Set Name</u></b>	<b><u>Query</u></b>	<b><u>Hit Count</u></b>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L3	L2 not l1	21
<input type="checkbox"/>	L2	arga with coli	21
<input type="checkbox"/>	L1	acetyl adj2 glutam\$ synthase	2

END OF SEARCH HISTORY

## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 6730828 B1

Using default format because multiple data bases are involved.

L1: Entry 1 of 2

File: USPT

May 4, 2004

US-PAT-NO: 6730828

DOCUMENT-IDENTIFIER: US 6730828 B1

TITLE: Isolated nucleic acids encoding a wheat glutathione transferase, plants transformed therewith and methods of use thereof

DATE-ISSUED: May 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cole; David J.	Essex			GB
Cummins; Ian	Durham			GB
Edwards; Robert	Durham			GB

US-CL-CURRENT: 800/300; 435/252.3, 435/320.1, 435/419, 435/468, 536/23.6, 800/278

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw. De
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☐ 2. Document ID: JP 2002253268 A

L1: Entry 2 of 2

File: JPAB

Sep 10, 2002

PUB-NO: JP02002253268A

DOCUMENT-IDENTIFIER: JP 2002253268 A

TITLE: NEW MUTANT N-ACETYL GLUTAMATE SYNTHASE AND METHOD FOR PRODUCING L-ARGININE

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw. De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
acetyl adj2 glutam\$ synthase	2

## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 10 of 21 returned.

☐ 1. Document ID: US 20030153058 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 21

File: PGPB

Aug 14, 2003

PGPUB-DOCUMENT-NUMBER: 20030153058

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030153058 A1

TITLE: Method for producing L-arginine

PUBLICATION-DATE: August 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kuwabara, Yoko	Kawasaki-shi		JP	
Kurahashi, Osamu	Kawasaki-shi		JP	
Nakamatsu, Tsuyoshi	Kawasaki-shi		JP	

US-CL-CURRENT: [435/114](#); [435/252.3](#), [435/252.31](#), [435/252.33](#), [435/254.21](#), [435/254.22](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 2. Document ID: US 20030148475 A1

L3: Entry 2 of 21

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030148475

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030148475 A1

TITLE: Mutant N-acetylglutamate synthase and method for L-arginine production

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ptitsyn, Leonid Romanovich	Moscow		RU	
Altman, Irina Borisovna	Moscow		RU	
Smirnov, Sergey Vasil'evich	Moscow		RU	
Rostova, Yulia Georgievna	Moscow		RU	

Yampolskaya, Tatyana Abramovna	Moscow	RU
Leonova, Tatyana Viktorovna	Moscow	RU
Gusyatiner, Mikhail Markovich	Moscow	RU

US-CL-CURRENT: [435/114](#); [435/193](#), [435/252.33](#), [435/320.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 3. Document ID: US 20030148474 A1

L3: Entry 3 of 21

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030148474  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030148474 A1

TITLE: New mutant glutamine synthetase and method for producing amino acids

PUBLICATION-DATE: August 7, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gusyatiner, Mikhail Markovich	Moscow		RU	
Ivanovskaya, Lirina Valerievna	Moscow		RU	
Leonova, Tatyana Viktorovna	Moscow		RU	
Mukhanova, Ekaterina Igorevna	Moscow		RU	
Rostova, Yulia Georgievna	Moscow		RU	
Filippov, Dmitriy Vladimirovich	Moscow		RU	
Chudakova, Daria Aleksandrovna	Moscow		RU	

US-CL-CURRENT: [435/110](#); [435/193](#), [435/252.33](#), [435/320.1](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 4. Document ID: US 20030124685 A1

L3: Entry 4 of 21

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124685  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030124685 A1

TITLE: CARBAMOYL-PHOSPHATE SYNTHETASE GENE OF CORYNEFORM BACTERIA AND METHOD FOR PRODUCING L-ARGININE

PUBLICATION-DATE: July 3, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kuwabara, Yoko	Kawasaki-Shi		JP	

Hashiguchi, Kenichi	Kawasaki-Shi	JP
Nakamatsu, Tsuyoshi	Kawasaki-Shi	JP
Kurahashi, Osamu	Kawasaki-Shi	JP
Mori, Yukiko	Kawasaki-Shi	JP
Ito, Hisao	Kawasaki-Shi	JP

US-CL-CURRENT: 435/114; 435/196, 435/252.3, 435/320.1, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20030113899 A1

L3: Entry 5 of 21

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030113899  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030113899 A1

TITLE: Method for producing L-arginine

PUBLICATION-DATE: June 19, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yamaguchi, Mikiko	Kawasaki-shi		JP	
Ito, Hisao	Kawasaki-shi		JP	
Gunji, Yoshiya	Kawasaki-shi		JP	
Yasueda, Hisashi	Kawasaki-shi		JP	

US-CL-CURRENT: 435/252.1; 435/252.33, 435/252.8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 20030082775 A1

L3: Entry 6 of 21

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082775  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030082775 A1

TITLE: Carbamoyl-phosphate synthetase gene of coryneform bacteria and method for producing L-arginine

PUBLICATION-DATE: May 1, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kuwabara, Yoko	Kawasaki-shi		JP	
Hashiguchi, Kenichi	Kawasaki-shi		JP	

Nakamatsu, Tsuyoshi	Kawasaki-shi	JP
Kurahashi, Osamu	Kawasaki-shi	JP
Mori, Yukiko	Kawasaki-shi	JP
Ito, Hisao	Kawasaki-shi	JP

US-CL-CURRENT: [435/193](#); [435/320.1](#), [435/325](#), [435/6](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 7. Document ID: US 20030082774 A1

L3: Entry 7 of 21

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082774  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030082774 A1

TITLE: Carbamoyl-phosphate synthetase gene of coryneform bacteria and method for producing L-arginine

PUBLICATION-DATE: May 1, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kuwabara, Yoko	Kawasaki-shi		JP	
Hashiguchi, Kenichi	Kawasaki-shi		JP	
Nakamatsu, Tsuyoshi	Kawasaki-shi		JP	
Kurahashi, Osamu	Kawasaki-shi		JP	
Mori, Yukiko	Kawasaki-shi		JP	
Ito, Hisao	Kawasaki-shi		JP	

US-CL-CURRENT: [435/193](#); [435/320.1](#), [435/325](#), [435/6](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 8. Document ID: US 20030031681 A1

L3: Entry 8 of 21

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030031681  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030031681 A1

TITLE: Combined growth factor-deleted and thymidine kinase-deleted vaccinia virus vector

PUBLICATION-DATE: February 13, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
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McCart, J. Andrea	Toronto	PA	CA
Bartlett, David L.	Pittsburgh	MD	US
Moss, Bernard	Bethesda		US

US-CL-CURRENT: 424/186.1; 435/235.1, 435/456

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 9. Document ID: US 20020187530 A1

L3: Entry 9 of 21

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020187530  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020187530 A1

TITLE: Biological systems for manufacture of polyhydroxyalkanoate polymers  
containing 4-hydroxyacids

PUBLICATION-DATE: December 12, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Huisman, Gjalt W.	San Carlos	CA	US	
Skraly, Frank	Somerville	MA	US	
Martin, David P.	Arlington	MA	US	
Peoples, Oliver P.	Arlington	MA	US	

US-CL-CURRENT: 435/135; 435/252.33, 435/488, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 10. Document ID: US 20020106800 A1

L3: Entry 10 of 21

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020106800  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020106800 A1

TITLE: Escherichia coli strains which over-produce L-threonine and processes for  
the production of L-threonine by fermentation

PUBLICATION-DATE: August 8, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Liaw, Hungming J.	Champaign	IL	US	
Bradshaw, Jill S.	Mahomet	IL	US	
Yang, Yueqin	Decatur	IL	US	

## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 11 through 20 of 21 returned.

☐ 11. Document ID: US 20020098555 A1

Using default format because multiple data bases are involved.

L3: Entry 11 of 21

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098555

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020098555 A1

TITLE: Microorganisms and method for L-arginine production by fermentation

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sakanyan, Vehary	Orvault		FR	
Marc, Frederic	Saint-Nazaire		FR	
Hovsepyan, Anitchka	Yerevan		AM	
Lecocq, Michele	Nantes		FR	

US-CL-CURRENT: [435/114](#); [435/193](#), [435/252.3](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 12. Document ID: US 20020090702 A1

L3: Entry 12 of 21

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090702

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090702 A1

TITLE: Carbamoyl-phosphate synthetase gene of coryneform bacteria and method for producing L-arginine

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kuwabara, Yoko	Kawasaki-shi		JP	
Hashiguchi, Kenichi	Kawasaki-shi		JP	



Nakamatsu, Tsuyoshi	Kawasaki-shi	JP
Kurahashi, Osamu	Kawasaki-shi	JP
Mori, Yukiko	Kawasaki-shi	JP
Ito, Hisao	Kawasaki-shi	JP

US-CL-CURRENT: [435/196](#); [435/131](#), [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw D
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☐ 13. Document ID: US 20020034793 A1

L3: Entry 13 of 21

File: PGPB

Mar 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020034793  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020034793 A1

TITLE: L-arginine producing escherichia coli and method of producing L-arginine

PUBLICATION-DATE: March 21, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gusyatiner, Mikhail Markovich	Moscow		RU	
Leonova, Tatyana Viktorovna	Moscow		RU	
Ptitsyn, Leonid Romanovich	Moscow		RU	
Yampolskaya, Tatyana Abramovna	Moscow		RU	

US-CL-CURRENT: [435/114](#); [435/252.8](#), [435/849](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw D
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☐ 14. Document ID: US 20020025564 A1

L3: Entry 14 of 21

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020025564  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020025564 A1

TITLE: Method for producing basic amino acid

PUBLICATION-DATE: February 28, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kobayashi, Masaki	Kawasaki-shi		JP	
Itoyama, Tsuyoshi	Kawasaki-shi		JP	
Mitani, Yukio	Tokyo		JP	

Usui, Naoki

Kawasaki-shi

JP

US-CL-CURRENT: 435/106

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K00C	Draw De
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☐ 15. Document ID: US 6689589 B2

L3: Entry 15 of 21

File: USPT

Feb 10, 2004

US-PAT-NO: 6689589

DOCUMENT-IDENTIFIER: US 6689589 B2

TITLE: Biological systems for manufacture of polyhydroxyalkanoate polymers  
containing 4-hydroxyacids

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	K00C	Draw De
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☐ 16. Document ID: US 6316262 B1

L3: Entry 16 of 21

File: USPT

Nov 13, 2001

US-PAT-NO: 6316262

DOCUMENT-IDENTIFIER: US 6316262 B1

TITLE: Biological systems for manufacture of polyhydroxyalkanoate polymers  
containing 4-hydroxyacids

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	K00C	Draw De
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☐ 17. Document ID: US 6255086 B1

L3: Entry 17 of 21

File: USPT

Jul 3, 2001

US-PAT-NO: 6255086

DOCUMENT-IDENTIFIER: US 6255086 B1

TITLE: Carbamoyl-phosphate synthetase gene of coryneform bacteria and method for  
producing L-arginine

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	K00C	Draw De
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☐ 18. Document ID: US 5939307 A

L3: Entry 18 of 21

File: USPT

Aug 17, 1999

US-PAT-NO: 5939307

DOCUMENT-IDENTIFIER: US 5939307 A

TITLE: Strains of Escherichia coli, methods of preparing the same and use thereof  
in fermentation processes for l-threonine production

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 19. Document ID: US 5508192 A

L3: Entry 19 of 21

File: USPT

Apr 16, 1996

US-PAT-NO: 5508192

DOCUMENT-IDENTIFIER: US 5508192 A

TITLE: Bacterial host strains for producing proteolytically sensitive polypeptides

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 20. Document ID: US 5264365 A

L3: Entry 20 of 21

File: USPT

Nov 23, 1993

US-PAT-NO: 5264365

DOCUMENT-IDENTIFIER: US 5264365 A

TITLE: Protease-deficient bacterial strains for production of proteolytically  
sensitive polypeptides

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L2 not L1

21

Display Format:

Change Format

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## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 21 through 21 of 21 returned.

☐ 21. Document ID: US 5264350 A

Using default format because multiple data bases are involved.

L3: Entry 21 of 21

File: USPT

Nov 23, 1993

US-PAT-NO: 5264350

DOCUMENT-IDENTIFIER: US 5264350 A

TITLE: DNA sequence performing a function which is expressed in an over-production of extracellular proteins by various strains of bacillus, and vectors containing this sequence

DATE-ISSUED: November 23, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Amory; Antoine P.	Voisins-le-Bretonneux			FR
Rapoport; Georges	Paris			FR
Kunst; Frederik	Ivry-sur-Seine			FR
Klier; Andre	Neuilly-sur-Marne			FR
Dedonder; Raymond	Chatenay-Malabry			FR

US-CL-CURRENT: 435/69.1; 435/222, 435/252.31, 435/320.1, 530/324, 536/23.4, 536/23.7

Full	Title	Citation	Print	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L2 not L1	21

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NEWS 10 MAR 29 WPIFV now available on STN  
NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA  
NEWS 12 APR 26 PROMT: New display field available  
NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field  
available  
NEWS 14 APR 26 LITALERT now available on STN  
NEWS 15 APR 27 NLDB: New search and display fields available  
NEWS 16 May 10 PROUSDDR now available on STN  
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May  
and June 2004  
NEWS 18 May 12 EXTEND option available in structure searching  
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY  
NEWS 20 May 17 FRFULL now available on STN  
  
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AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004  
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ENTRY

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0.21

0.21

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=> s acetyl (3w) glutam? (3w) synthase  
10 FILES SEARCHED...  
L1 26 ACETYL (3W) GLUTAM? (3W) SYNTHASE

=> s arga and l1  
L2 3 ARG AND L1

=> s l1 and coli  
L3 4 L1 AND COLI

=> s l1 and (muta? or variant)  
L4 10 L1 AND (MUTA? OR VARIANT)

=> s l3 not l2  
L5 3 L3 NOT L2

=> dup rem l2  
PROCESSING COMPLETED FOR L2  
L6 3 DUP REM L2 (0 DUPLICATES REMOVED)

=> d 1-3

L6 ANSWER 1 OF 3 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1984-01897 BIOTECHDS  
TI Expression of an \*\*\*argA\*\*\* + recombinant plasmid in a  
recombination-deficient host strain of Pseudomonas aeruginosa;  
gene cloning using a multicopy vector (conference abstract)  
AU Frueh R; Reimann C; Haas D  
LO Mikrobiologisches Institut ETH, Weinbergstrasse 38, ETH-Zentrum, CH-8092  
Zuerich, Switzerland.  
SO Experientia; (1983) 39, 12, 1430  
CODEN: EXPEAM  
DT Journal  
LA English

L6 ANSWER 2 OF 3 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1977:246459 BIOSIS  
DN PREV197764068823; BA64:68823  
TI THE GENETIC ORGANIZATION OF ARGININE BIOSYNTHESIS IN PSEUDOMONAS-  
AERUGINOSA.  
AU HAAS D; HOLLOWAY B W; SCHAMBOECK A; LEISINGER T  
SO Molecular and General Genetics, (1977) Vol. 154, No. 1, pp. 7-22.  
CODEN: MGGEAE. ISSN: 0026-8925.  
DT Article  
FS BA

L6 ANSWER 3 OF 3 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1976:171999 BIOSIS  
DN PREV197662001999; BA62:1999  
TI EXPRESSION OF THE \*\*\*ARGA\*\*\* GENE CARRIED BY A DEFECTIVE LAMBDA  
BACTERIO PHAGE OF ESCHERICHIA-COLI.  
AU LEISINGER T; HAAS D; KELKER N  
SO Journal of Bacteriology, (1976) Vol. 125, No. 3, pp. 1217-1219.  
CODEN: JOBAAY. ISSN: 0021-9193.  
DT Article  
FS BA  
LA Unavailable

=> d 3 ab

L6 ANSWER 3 OF 3 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AB An increase in specific activity of N-acetylglutamate synthase observed  
upon heat induction of E. coli (.lambda.darga) is primarily due to a gene  
dosage effect.

=> dup rem l3

PROCESSING COMPLETED FOR L3

L7 4 DUP REM L3 (0 DUPLICATES REMOVED)


=> d 1-4

L7 ANSWER 1 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1977:218406 BIOSIS  
DN PREV197764040770; BA64:40770  
TI N \*\*\*ACETYL\*\*\* \*\*\*GLUTAMATE\*\*\* \*\*\*SYNTHASE\*\*\* EC-2.3.1.1 OF  
ESCHERICHIA- \*\*\*COLI\*\*\* PURIFICATION CHARACTERIZATION AND MOLECULAR  
PROPERTIES.  
AU MARVIL D K; LEISINGER T  
SO Journal of Biological Chemistry, (1977) Vol. 252, No. 10, pp. 3295-3303.  
CODEN: JBCHA3. ISSN: 0021-9258.  
DT Article  
FS BA  
LA Unavailable

L7 ANSWER 2 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1976:171999 BIOSIS  
DN PREV197662001999; BA62:1999  
TI EXPRESSION OF THE ARGA GENE CARRIED BY A DEFECTIVE LAMBDA BACTERIO PHAGE  
OF ESCHERICHIA- \*\*\*COLI\*\*\*  
AU LEISINGER T; HAAS D; KELKER N  
SO Journal of Bacteriology, (1976) Vol. 125, No. 3, pp. 1217-1219.  
CODEN: JOBAAY. ISSN: 0021-9193.  
DT Article  
FS BA  
LA Unavailable

L7 ANSWER 3 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1975:168926 BIOSIS  
DN PREV197559068926; BA59:68926  
TI N \*\*\*ACETYL\*\*\* \*\*\*GLUTAMATE\*\*\* \*\*\*SYNTHASE\*\*\* EC-2.3.1.1 OF  
ESCHERICHIA- \*\*\*COLI\*\*\* REGULATION OF SYNTHESIS AND ACTIVITY BY  
ARGININE.  
AU LEISINGER T; HAAS D  
SO Journal of Biological Chemistry, (1975) Vol. 250, No. 5, pp. 1690-1693.  
CODEN: JBCHA3. ISSN: 0021-9258.  
DT Article  
FS BA  
LA Unavailable

L7 ANSWER 4 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1975:224481 BIOSIS  
DN PREV197560054477; BA60:54477  
TI ISOLATION AND CHARACTERIZATION OF MUTANTS WITH A FEEDBACK RESISTANT N  
\*\*\*ACETYL\*\*\* \*\*\*GLUTAMATE\*\*\* \*\*\*SYNTHASE\*\*\* IN ESCHERICHIA-  
\*\*\*COLI\*\*\* STRAIN K-12.  
AU ECKHARDT T; LEISINGER T  
SO Molecular and General Genetics, (1975) Vol. 138, No. 3, pp. 225-232.  
CODEN: MGGEAE. ISSN: 0026-8925.



FS BA  
LA Unavailable

=> d 4 ab

L7 ANSWER 4 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

=> dup rem 14  
PROCESSING COMPLETED FOR L4  
L8 6 DUP REM L4 (4 DUPLICATES REMOVED)

=> d 1-6

L8 ANSWER 1 OF 6 MEDLINE on STN DUPLICATE 1  
AN 86195978 MEDLINE  
DN PubMed ID: 2939069  
TI N- \*\*\*acetyl\*\*\* -L- \*\*\*glutamate\*\*\* \*\*\*synthase\*\*\* of Neurospora  
crassa. Characteristics, localization, regulation, and genetic control.  
AU Hinde R W; Jacobson J A; Weiss R L; Davis R H  
NC GM 07104 (NIGMS)  
GM28864 (NIGMS)  
SO Journal of biological chemistry, (1986 May 5) 261 (13) 5848-52.  
Journal code: 2985121R. ISSN: 0021-9258.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198605  
ED Entered STN: 19900321  
Last Updated on STN: 19970203  
Entered Medline: 19860530

L8 ANSWER 2 OF 6 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1984-01897 BIOTECHDS  
TI Expression of an argA+ recombinant plasmid in a recombination-deficient  
host strain of Pseudomonas aeruginosa;  
gene cloning using a multicopy vector (conference abstract)  
AU Frueh R; Reimann C; Haas D  
LO Mikrobiologisches Institut ETH, Weinbergstrasse 38, ETH-Zentrum, CH-8092  
Zuerich, Switzerland.  
SO Experientia; (1983) 39, 12, 1430  
CODEN: EXPEAM  
DT Journal  
LA English

L8 ANSWER 3 OF 6 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1977:246459 BIOSIS  
DN PREV197764068823; BA64:68823  
TI THE GENETIC ORGANIZATION OF ARGININE BIOSYNTHESIS IN PSEUDOMONAS-  
AERUGINOSA.  
AU HAAS D; HOLLOWAY B W; SCHAMBOECK A; LEISINGER T  
SO Molecular and General Genetics, (1977) Vol. 154, No. 1, pp. 7-22.  
CODEN: MGGEAE. ISSN: 0026-8925.  
DT Article  
FS BA  
LA Unavailable

L8 ANSWER 4 OF 6 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1977:122486 BIOSIS  
DN PREV197763017350; BA63:17350  
TI \*\*\*MUTANT\*\*\* STRAINS NIT OF SALMONELLA-TYPHIMURIUM WITH A PLEIOTROPIC  
DEFECT IN NITROGEN METABOLISM.  
AU BROACH J; NEUMANN C; KUSTU S  
SO Journal of Bacteriology, (1976) Vol. 128, No. 1, pp. 86-98.  
CODEN: JOBAAY. ISSN: 0021-9193.  
DT Article  
FS BA  
LA Unavailable

L8 ANSWER 5 OF 6 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1975:224481 BIOSIS  
DN PREV197560054477; BA60:54477  
TI ISOLATION AND CHARACTERIZATION OF \*\*\*MUTANTS\*\*\* WITH A FEEDBACK



ESCHERICHIA-COLI STRAIN K-12.  
 ECKHARDT T; LEISINGER T  
 Molecular and General Genetics, (1975) Vol. 138, No. 3, pp. 225-232.  
 CODEN: MGGEAE. ISSN: 0026-8925.  
 Article  
 BA  
 Unavailable

ANSWER 6 OF 6 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 1971:83480 BIOSIS  
 PREV197107083480; BR07:83480  
 ARGININE BIOSYNTHESIS IN PSEUDOMONAS-PUTIDA.  
 CHOU I N; GUNSALUS I C  
 Bacteriological Proceedings, (1971) Vol. 71, pp. 162.  
 CODEN: BACPAY. ISSN: 0067-2777.  
 Article  
 BR  
 Unavailable

=> s 11 not 14  
 16 L1 NOT L4  
 => dup rem 19  
 PROCESSING COMPLETED FOR L9  
 16 DUP REM L9 (0 DUPLICATES REMOVED)  
 => d 1-10

ANSWER 1 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 2001:225483 BIOSIS  
 PREV200100225483  
 Current strategies for the management of neonatal urea cycle disorders.  
 Summar, Marshall [Reprint author]  
 Division of Medical Genetics, Department of Pediatrics, Vanderbilt  
 University Medical Center, DD 2205 MCN, Nashville, TN, 37232-2578, USA  
 Journal of Pediatrics, (January, 2001) Vol. 138, No. 1 Supplement, pp.  
 S30-S39. print.  
 CODEN: JOPDAB. ISSN: 0022-3476.  
 Article  
 General Review; (Literature Review)  
 English  
 Entered STN: 9 May 2001  
 Last Updated on STN: 18 Feb 2002

ANSWER 2 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 2001:225482 BIOSIS  
 PREV200100225482  
 Laboratory evaluation of urea cycle disorders.  
 Steiner, Robert D. [Reprint author]; Cederbaum, Stephen D.  
 CDRC-F, OHSU, 707 SW Gaines Rd, Portland, OR, 97201, USA  
 Journal of Pediatrics, (January, 2001) Vol. 138, No. 1 Supplement, pp.  
 S21-S29. print.  
 CODEN: JOPDAB. ISSN: 0022-3476.  
 Article  
 General Review; (Literature Review)  
 English  
 Entered STN: 9 May 2001  
 Last Updated on STN: 18 Feb 2002

ANSWER 3 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 2001:225481 BIOSIS  
 PREV200100225481  
 Proceedings of a consensus conference for the management of patients with  
 urea cycle disorders.  
 Summar, Marshall; Tuchman, Mendel [Reprint author]  
 Children's National Medical Center, 111 Michigan Ave, NW, Washington, DC,  
 20010, USA  
 Journal of Pediatrics, (January, 2001) Vol. 138, No. 1 Supplement, pp.  
 S6-S10. print.  
 CODEN: JOPDAB. ISSN: 0022-3476.  
 Article  
 English  
 Entered STN: 9 May 2001  
 Last Updated on STN: 18 Feb 2002

L10 ANSWER 4 OF 16 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
 AN 86:264698 SCISEARCH  
 GA The Genuine Article (R) Number: C1710  
 TI N- \*\*\*ACETYL\*\*\* -L- \*\*\*GLUTAMATE\*\*\* \*\*\*SYNTHASE\*\*\* OF  
 NEUROSPORA-CRASSA - CHARACTERISTICS, LOCALIZATION, REGULATION, AND  
 GENETIC-CONTROL  
 AU HINDE R W (Reprint); JACOBSON J A; WEISS R L; DAVIS R H  
 CS MACQUARIE UNIV, SCH BIOL SCI, N RYDE, NSW 2113, AUSTRALIA (Reprint); UNIV  
 CALIF LOS ANGELES, DEPT CHEM & BIOCHEM, LOS ANGELES, CA, 90024; UNIV CALIF  
 IRVINE, DEPT MOLEC BIOL & BIOCHEM, IRVINE, CA, 92717  
 CYA AUSTRALIA; USA  
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1986) Vol. 261, No. 13, pp. 5848-5852.  
 DT Article; Journal  
 FS LIFE  
 LA ENGLISH  
 REC Reference Count: 23

L10 ANSWER 5 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 1984:215113 BIOSIS  
 DN PREV198477048097; BA77:48097  
 TI INHIBITION OF UREAGENESIS BY VALPROATE IN RAT HEPATOCYTES ROLE OF N ACETYL  
 GLUTAMATE AND ACETYL COENZYME A.  
 AU COUDE F X [Reprint author]; GRIMBER G; PARVY P; RABIER D; PETIT F  
 CS LAB DE BIOCHIMIE GENETIQUE, HOPITAL NECKER, 149 RUE DE SEVRES, 75743 PARIS  
 CEDEX 15, FR  
 SO Biochemical Journal, (1983) Vol. 216, No. 1, pp. 233-236.  
 ISSN: 0264-6021.  
 DT Article  
 FS BA  
 LA ENGLISH

L10 ANSWER 6 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 1984:227527 BIOSIS  
 DN PREV198477060511; BA77:60511  
 TI ROLE OF N ACETYL GLUTAMATE AND ACETYL COENZYME A IN THE INHIBITION OF  
 UREAGENESIS BY ISO VALERIC-ACID IN ISOLATED RAT HEPATOCYTES.  
 AU COUDE F X [Reprint author]; GRIMBER G; PARVY P; RABIER D  
 CS LAB DE BIOCHIMIE GENETIQUE, HOPITAL NECKER, 149 RUE DE SEVRES, 75743 PARIS  
 CEDEX 15  
 SO Biochimica et Biophysica Acta, (1983) Vol. 761, No. 1, pp. 13-16.  
 CODEN: BBACAQ. ISSN: 0006-3002.  
 DT Article  
 FS BA  
 LA ENGLISH

L10 ANSWER 7 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 1983:298680 BIOSIS  
 DN PREV198376056172; BA76:56172  
 TI ACUTE EFFECTS OF GLUCAGON ON CITRULLINE BIOSYNTHESIS.  
 AU RABIER D [Reprint author]; BRIAND P; PETIT F; PARVY P; KAMOUN P;  
 CATHELINEAU L  
 CS LAB BIOCHIM GENETIQUE, HOP NECKER-ENFANTS MALADES, 149 RUE DE SEVRES,  
 75743 PARIS CEDEX 15, FR  
 SO Biochemical Journal, (1982) Vol. 206, No. 3, pp. 627-632.  
 ISSN: 0264-6021.  
 DT Article  
 FS BA  
 LA ENGLISH

L10 ANSWER 8 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 1982:163549 BIOSIS  
 DN PREV198273023533; BA73:23533  
 TI SUB CELLULAR LOCALIZATION AND PROPERTIES OF N \*\*\*ACETYL\*\*\*  
 \*\*\*GLUTAMATE\*\*\* \*\*\*SYNTHASE\*\*\* EC-2.3.1.1 IN RAT SMALL INTESTINAL  
 MUCOSA.  
 AU UCHIYAMA C [Reprint author]; MORI M; TATIBANA M  
 CS DEPARTMENT OF BIOCHEMISTRY, CHIBA UNIVERSITY SCHOOL OF MEDICINE, INOHANA,  
 CHIBA, CHIBA 280  
 SO Journal of Biochemistry (Tokyo), (1981) Vol. 89, No. 6, pp. 1777-1786.  
 CODEN: JOBIAO. ISSN: 0021-924X.  
 DT Article  
 FS BA  
 LA ENGLISH

L10 ANSWER 9 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

DN PREV198222048147; BR22:48147  
 TI CHANGES IN THE LEVELS OF UREA CYCLE ENZYMES AND IN METABOLITES THEREOF IN DIABETES.  
 AU JORDA A [Reprint author]; CABO J; GRISOLIA S  
 CS INST INVESTIGACIONES CITOLOGICAS CAJA AHORROS VALENCIA, AMADEO SABOYA 4, VALENCIA, SPAIN  
 SO Enzyme (Basel), (1981) Vol. 26, No. 5, pp. 240-244.  
 CODEN: ENZYBT. ISSN: 0013-9432.  
 DT Article  
 FS BR  
 LA ENGLISH

L10 ANSWER 10 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 1980:178474 BIOSIS  
 DN PREV198069053470; BA69:53470  
 TI REGULATION OF ACTIVITY AND SYNTHESIS OF N \*\*\*ACETYL\*\*\*  
 \*\*\*GLUTAMATE\*\*\* \*\*\*SYNTHASE\*\*\* FROM SACCHAROMYCES-CEREVISIAE.  
 AU WIPF B [Reprint author]; LEISINGER T  
 CS MICROBIOL INST, EIDG TECH HOCHSCH-ZENT, CH-8092 ZUERICH, SWITZ  
 SO Journal of Bacteriology, (1979) Vol. 140, No. 3, pp. 874-880.  
 CODEN: JOBAAY. ISSN: 0021-9193.  
 DT Article  
 FS BA  
 LA ENGLISH

=> dis his

(FILE 'HOME' ENTERED AT 18:10:22 ON 24 MAY 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 18:10:45 ON 24 MAY 2004

L1 26 S ACETYL (3W) GLUTAM? (3W) SYNTHASE  
 L2 3 S ARG AND L1  
 L3 4 S L1 AND COLI  
 L4 10 S L1 AND (MUTA? OR VARIANT)  
 L5 3 S L3 NOT L2  
 L6 3 DUP REM L2 (0 DUPLICATES REMOVED)  
 L7 4 DUP REM L3 (0 DUPLICATES REMOVED)  
 L8 6 DUP REM L4 (4 DUPLICATES REMOVED)  
 L9 16 S L1 NOT L4  
 L10 16 DUP REM L9 (0 DUPLICATES REMOVED)

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

67.38

67.59

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 18:21:24 ON 24 MAY 2004